



# FortiAuthenticator-400C

## QuickStart Guide





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- 1** Package Contents
- 2** Installation
- 3** Connecting the FortiAuthenticator Unit
- 4** Technical Specifications
- 5** Technical Documentation and Links
- 6** Cautions and Compliance
- 7** Register Your Product
- 8** Product License Agreement

# 1. Package Contents



Fortinet's consolidated security solutions provide an integrated set of core security and network services in a single, easy-to-manage, high-performance appliance that is capable of supporting a wide range of deployment scenarios.

Your box contains the following:

- FortiAuthenticator-400C

- QuickStart Guide

- Power Cable

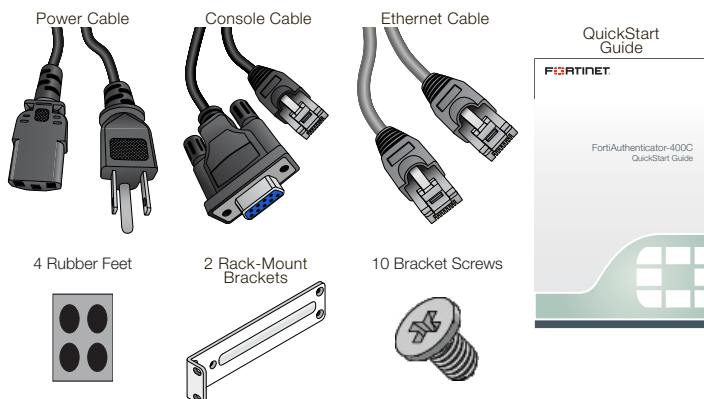
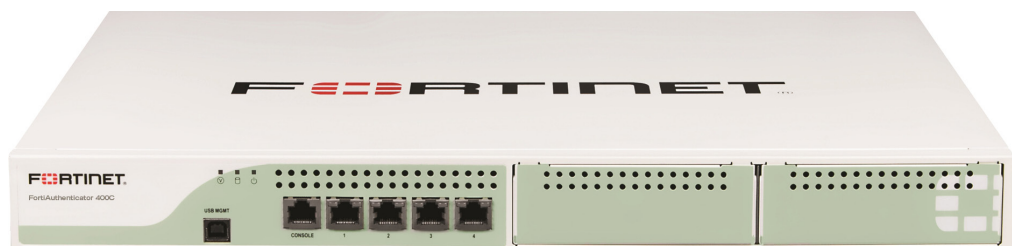
- Ethernet Cable

- Console Cable

- 4 Rubber Feet

- 2 Rack-Mount Brackets

- 10 Bracket Screws



## 2. Installation



The FortiAuthenticator unit can be placed on any flat surface, or mounted in any standard 19 inch (48.3 cm) rack unit with the provided rack-mount brackets. The unit occupies 1U in the rack, where 1U is equal to 1.75 inches or 4.45 cm.

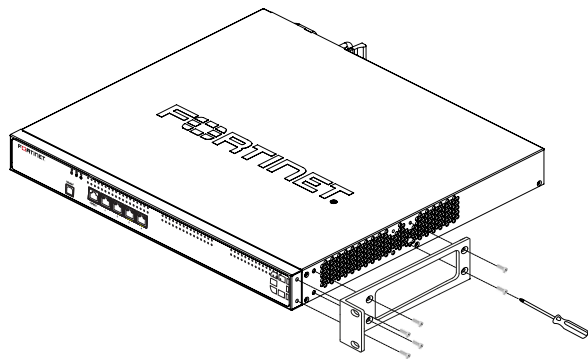
**Caution:** As electrostatic discharge (ESD) can damage your Fortinet equipment, Fortinet recommends performing the following procedures from an ESD workstation and/or wearing an anti-static wrist strap.

**Caution:** Do not place heavy objects on the unit.

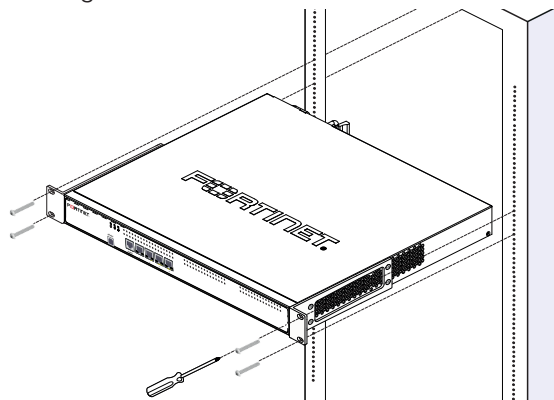
### To install the FortiAuthenticator unit into a rack:

**Caution:** To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

1. Ensure that the FortiAuthenticator unit is placed on a stable surface prior to rack-mount installation.
2. Attach the provided rack-mount brackets to the sides of the unit using the provided screws.



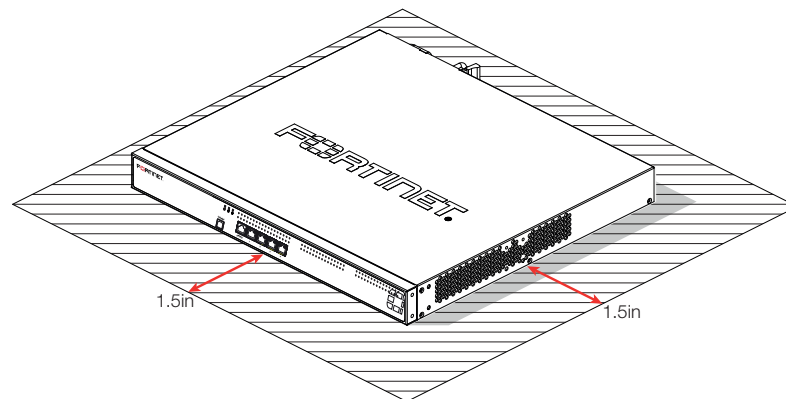
- a. If you are installing the unit into a four-post rack, attach the rack-mount brackets with the handles aligned with the front of the unit.



- b. If you are installing the unit into a two-post rack, attach the rack-mount brackets with the handles aligned with the middle of the unit.
3. Position the FortiAuthenticator unit in the rack. Ensure there is enough room around the unit to allow for sufficient air flow.
  4. Line up the rack-mount bracket holes to the holes on the rack and ensure that the FortiAuthenticator unit is level.
  5. Finger tighten four rack-mount screws to attach the unit to the rack.
  6. Verify that the spacing around the FortiAuthenticator unit conforms to requirements and that the unit is level, then tighten the rack-mount screws with an appropriate screwdriver.
  7. Using the provided power cable, plug the cable into the rear of the unit and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

### To install the unit on a flat surface:

1. Ensure that the surface onto which the FortiAuthenticator unit to be installed is clean, level, and stable and that there is at least 1.5 inch (3.5 cm) of clearance on all sides to allow for adequate airflow.
2. Attach the provided rubber feet to the bottom of the FortiAuthenticator unit.
3. Place the unit in the designated location.
4. Verify that the spacing around the FortiAuthenticator unit conforms to requirements and that the unit is level.
5. Using the provided power cable, plug the cable into the rear of the unit and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).



### 3. Connecting the FortiAuthenticator Unit



The FortiAuthenticator unit can be configured using the Web-based Manager or the Command Line Interface (CLI). This section will step you through both methods of connecting to the unit. Use whichever method you are most comfortable with.

#### To Connect to the Web-based Manager:

1. Connect the Port 1 interface of the unit to a management computer using the provided Ethernet cable.
2. Configure the management computer to be on the same subnet as the internal interface of the FortiAuthenticator unit:
  - a. Browse to the *Network and Sharing Center > Change Adapter Settings > Local Area Connection Properties > Internet Protocol Version 4 (TCP/IPv4) Properties*.
  - b. Change the IP address of the management computer to 192.168.1.2 and the netmask to 255.255.255.0.
3. To access the FortiAuthenticator unit's Web-based Manager, start an internet browser of your choice and browse to <https://192.168.1.99> (remember to include the "s" in https://).
4. Type `admin` in the *Name* field, leave the *Password* field blank, and select *Login*.

You can now proceed with configuring your FortiAuthenticator unit.

#### To Connect to the CLI:

1. Connect the FortiAuthenticator unit's console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer. Use the following settings:
  - Baud Rate: 9600
  - Data bits: 8
  - Parity: None
  - Stop bits: 1
  - Flow Control: None
3. Press *Enter* on your keyboard to connect to the CLI.
4. Type `admin` in the *Name* field, leave the *Password* field blank, and press *Enter*.

You can now proceed with configuring your FortiAuthenticator unit.

#### Reset the FortiAuthenticator unit to factory default settings:

To reset the FortiAuthenticator unit to the factory default settings from the CLI, enter the following command:

```
factory-reset
```

You can also reset the FortiAuthenticator unit using the Web-based Manager. Go to *System > Status* and select *Reset* in the System Information dashboard widget and select *OK*.

#### Shutting Down the FortiAuthenticator unit:

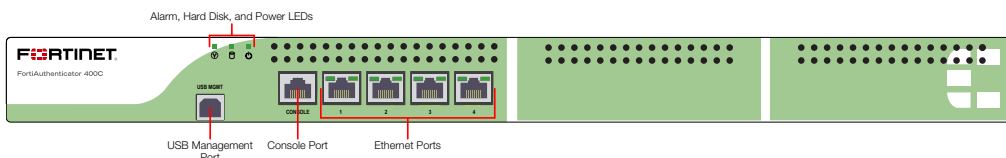
**Caution:** Not following this procedure can increase the risk of damaging or corrupting the unit's hard disk.

When powering off the FortiAuthenticator unit, always shut down the unit using the following procedures before disconnecting the power supply. To shut down the FortiAuthenticator unit using the CLI, enter the following command:




```
shutdown
```

You can also shut down the FortiAuthenticator unit in the Web-based Manager. Go to *System > Status* and select *Shutdown* in the System Information dashboard widget and select *OK*.

## 4. Technical Specifications



Interface	Type	Protocol	Description
Ethernet Ports 1 - 4	RJ-45	Gigabit Ethernet	Ethernet ports for connection to your network and the Internet.
USB MGMT	USB-B	USB 2.0	Not in use at this time.
Console	RJ-45	RS-232 serial	Optional connection to the management computer. Provides access to the CLI.

LED		State	Description
Alarm		Red	Hard disk failure.
Hard Disk		Amber	Activity on the hard disk.
Power		Green	The unit is on.
Ethernet Ports Activity (Left LED)		Green	Port is active.
		Flashing Green	Port is transmitting and receiving data.
		Off	Port is not in use.
Ethernet Port Speed (Right LED)		Green	Port is connected at 1Gbps.
		Amber	Port is connected at 100Mbps.
		Off	Port is connected at 10Mbps.

Hardware Specification	Description
Internal Storage	non-removable, 1TB SATA 3.5" hard disk
Memory	4096MB
AC Power	100-240V AC, 60-50HZ

## 5. Technical Documentation and Links

The following Fortinet web pages provide information and resources for your Fortinet product:

**1. Fortinet Customer Support:** <https://support.fortinet.com>

On this page you can create a support account with Fortinet, register and manage your products, download updates, firmware images and release notes, and create technical support tickets.

**2. Fortinet Technical Documentation:** <http://docs.fortinet.com>

This page provides the most up-to-date versions of Fortinet publications for the entire family of Fortinet products. The following guides provide more information on the installation and configuration of your FortiAuthenticator unit:

- **Administration Guide:** This guide describes initial configuration of your FortiAuthenticator unit, system maintenance, FortiToken, LDAP, Fortinet Single Sign On (FSSO), and certificate management.
- **FortiOS User Authentication Handbook:** This guide describes types of authentication, user groups, FortiToken, FSSO, authentication servers, and configuring authenticated access.
- **FortiToken-200 Quick Start Guide:** The guide describes how to activate the FortiToken unit, assigning FortiToken to users, and secure login with the FortiToken unit.

**3. Fortinet Knowledge Base:** <http://kb.fortinet.com>

This page provides Fortinet technical documentation, such as troubleshooting, how-to articles, example configurations, FAQs, technical notes, and more.

**4. Fortinet Technical Discussion Forums:** <http://support.fortinet.com/forum>

This page allows you to communicate with other customers and Fortinet partners about Fortinet products, services, and configuration issues in a forum environment.

**5. Fortinet Training Services:** <http://training.fortinet.com>

This page provides course descriptions, availability, schedules, and locations of training programs in your area.

**6. FortiGuard Threat Research and Response:** <http://www.fortiguard.com>

This page provides up-to-date information on vulnerabilities and threats, and includes a virus scanner, Internet Protocol (IP) signature look-up, web filtering tools, and related information.

### Comments on Technical Documentation

Please send comments or information about any errors or omissions in this or any Fortinet technical documents to [techdoc@fortinet.com](mailto:techdoc@fortinet.com).

## 6. Cautions and Compliance



### Environmental specifications

Ambient operating temperature: 0C to 40C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:  
Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.  
Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.  
Ventilation réduite – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.  
Chargement Mécanique – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas lié à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.  
Surtension – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).  
Fiabilité de la mise à la terre– Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

*Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)*

*Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).*

### Safety

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

## Regulatory Notices

### Federal Communication Commission (FCC) - USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Industry Canada Equipment Standard for Digital Equipment (ICES) - Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

### European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



### Product Safety Electrical Appliance & Material (PSE) - Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

### Voluntary Control Council for Interference (VCCI) - Japan

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。V C C I – A

### Bureau of Standards Metrology and Inspection (BSMI) - Taiwan

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:

<https://www.fortinet.com/bsmi>

### China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

### Korea Certification (KC) - Korea

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## 7. Register Your Product



Please register your product now.

### Register

Register your Fortinet product in order to receive:

- Technical Support
- New product features
- Protection from new threats

### Enregistrer

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

### Registra

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalita
- Protezione dalle ultime minacce

### Registrar

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

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本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

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**Phone: 1-408-486-7899**

**Fax: 1-408-235-7737**

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## 8. Product License Agreement



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